

WHAT IS CLAIMED IS:

1. An electrical connector for mounting to a circuit board having a top face and a bottom face opposite to the top face, comprising:

a cylindrical insulative housing comprising a circular mating face, a circular mounting face opposite to the circular mating face, a plurality of passageways extending through the circular mating face and the circular mounting face, and a step portion supported on a top face of a circuit board, the cylindrical insulative housing being partly located below a bottom face of the circuit board;

a plurality of electrical terminals being received in the passageways of the cylindrical insulative housing; and

a conductive outer shield enclosing the cylindrical insulative housing and comprising a grounding tab, the grounding tab comprising a lower portion extending through the circuit board and an upper portion supported by the top face of the circuit board.

2. The electrical connector as claimed in claim 1, wherein the upper portion of the grounding tab extends outwardly and downwardly from a lower portion of the conductive outer shield and the lower portion of the grounding tab extends vertically and downwardly from the upper portion.

3. The electrical connector as claimed in claim 2, wherein the upper portion is wider than the lower portion and has a rear section extending rearwardly beyond the lower portion and supported by the top face of the circuit board.

4. The electrical connector as claimed in claim 1, wherein the cylindrical insulative housing defines a plurality of channels and each electrical terminal comprises a mounting portion having a lower section extending through the channel.

5. The electrical connector as claimed in claim 4, wherein the cylindrical

insulative housing is formed with a cutout below the step portion and the lower sections of the mounting portions of the electrical terminals are spaced from the mounting face by the cutout.

6. The electrical connector as claimed in claim 1, wherein the conductive outer shield comprises a pair of grounding tabs.

7. An electrical connector assembly comprising:

a cylindrical insulative housing defining a circular mating face on a front portion thereof and an opposite mounting face on a rear portion thereof;

a step formed around the rear portion;

a plurality of terminals extending outside of said mounting face;

a metallic cylindrical outer shell enclosing said housing with a pair of grounding tabs downwardly extending from two opposite sides thereof around said front portion;

a printed circuit board defining a cutout; and

said front portion located within the cutout, said step seated upon the printed circuit board; wherein

each of said pair of grounding tabs includes an upper portion defining an abutment area for abutting against the printed circuit board, and

a distance between said abutment areas of the pair of grounding tabs is larger than a diameter of a cross-section of said mating face.

8. The assembly as claimed in claim 7, wherein each of said pair of grounding tabs further includes a lower portion for extending through the printed circuit board.